

3rd GENERATION CARPETS REQUIRE 3RD GENERATION TAPE

ENVIROSTIK LPX SEAMING TAPE STANDS UP TO EUROPEAN STANDARD TEST PROCEDURES EN 12228 AND EN 14836

Seam Joint Tests EN 12228 and EN 14836 are part of the European Standard Test Procedures on Artificial Turf, for determining the joint strength of glued seam joints, before and after subjecting the bonds to climatic simulation.

Clients are more inclined to require this standard to be met when installing 3rd generation surfaces for football and rugby pitches.

The test procedure involves applying an increasing tensile force perpendicular to the joint until it breaks. The maximum force applied is the measure of "joint strength". To pass these tests it is expected that figures of 25N/mm and 15N/mm are obtained for rugby and football joints respectively.

When this force is applied to the bond, it can react in two ways:-

More frequently the carpet backing and stitching will part from the glued tape and sometimes the tape joint will break at the carpet interface.

Breakage of the tape would indicate that the bond of carpet to tape is good but this type of failure can give a borderline result which may fall below the high force required to meet the specification figure.

For 3rd generation long pile carpet football and rugby installations, we introduced LPX Tape, a specially constructed grade, strengthened by including a high strength polyester mesh component into the laminated construction. It is impossible for this grade of tape to break on the tensile test method and therefore the risk of achieving a test result below the specified figure is reduced.

We would therefore, strongly suggest that if an installation is of the above type, and is likely to be subjected to the above test procedures, then LPX Jointing Tape is used as a component of the seam bonding system.